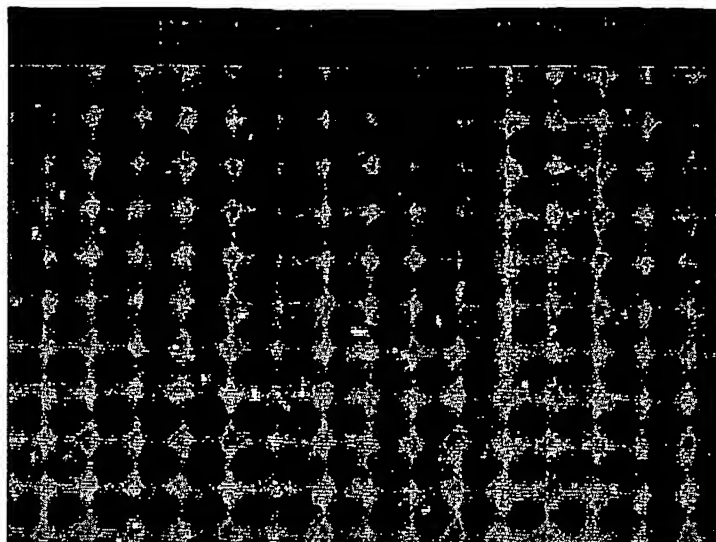
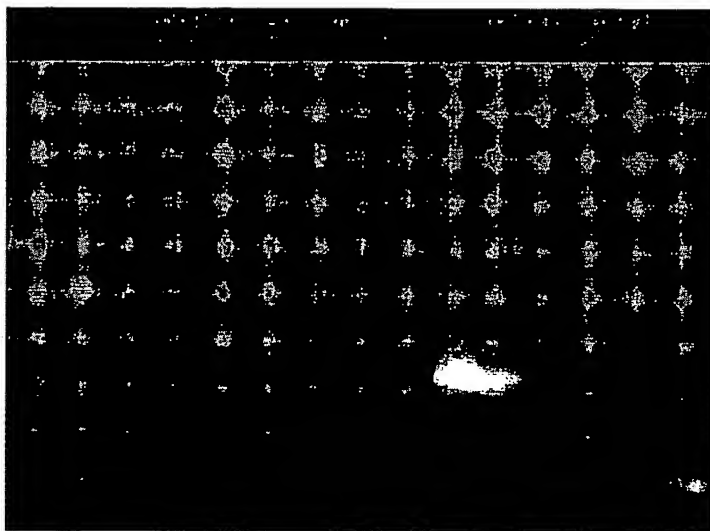


(a) $\times 1.0K$



(b) $\times 6.0K$

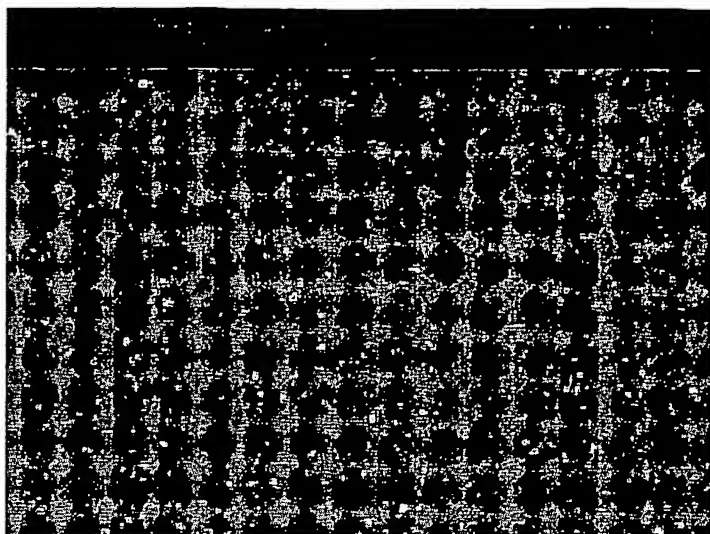


5

Figure 1: SEM micrograph of the surface of polyurethane containing 6.1wt% alumina prepared via the solvent method.

Best Available Copy

(a) $\times 1.0K$



5 (b) $\times 6.0K$

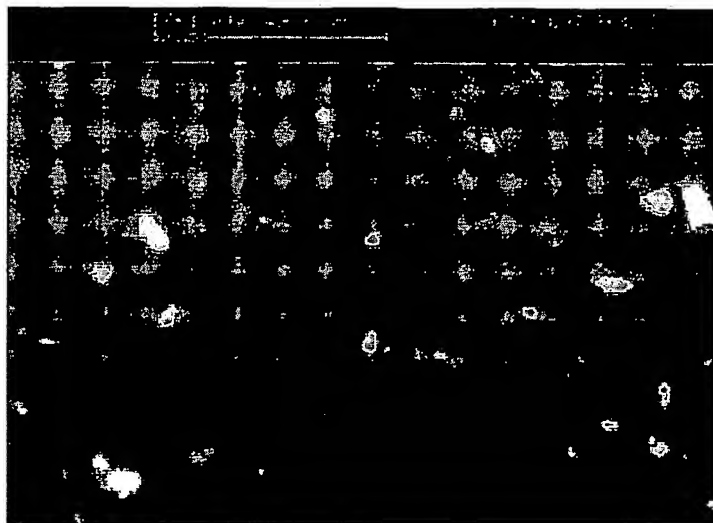
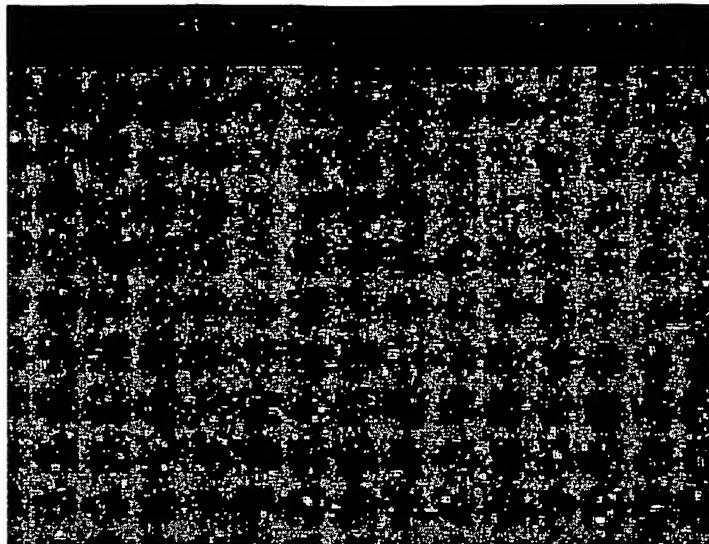


Figure 2: SEM micrograph of the surface of polyurethane containing 6.1wt% SiC prepared via the solvent method.

Best Available Copy

(a) $\times 1.0K$



5 (b) $\times 6.0K$



Figure 3: SEM micrograph of the surface of polyurethane containing 20.5 % SiC prepared via the solvent method.

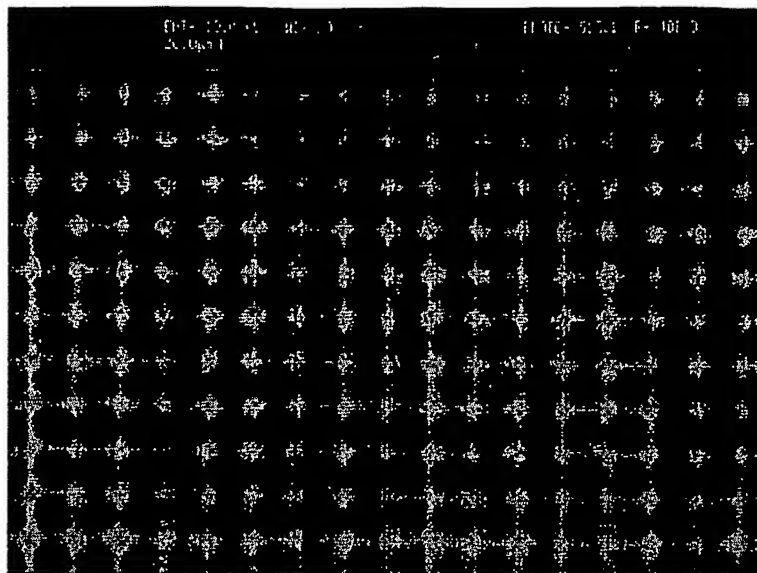
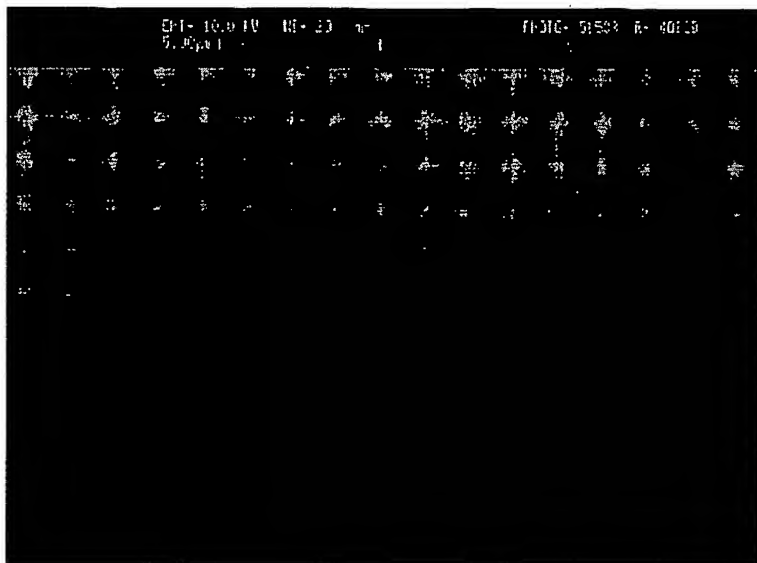
(a) $\times 2.0K$ (b) $\times 5.0K$ 

Figure 4: SEM micrograph of the surface of polyurethane containing 1.3wt% alumina prepared via the non-solvent method.

Illustration of poor dispersion:

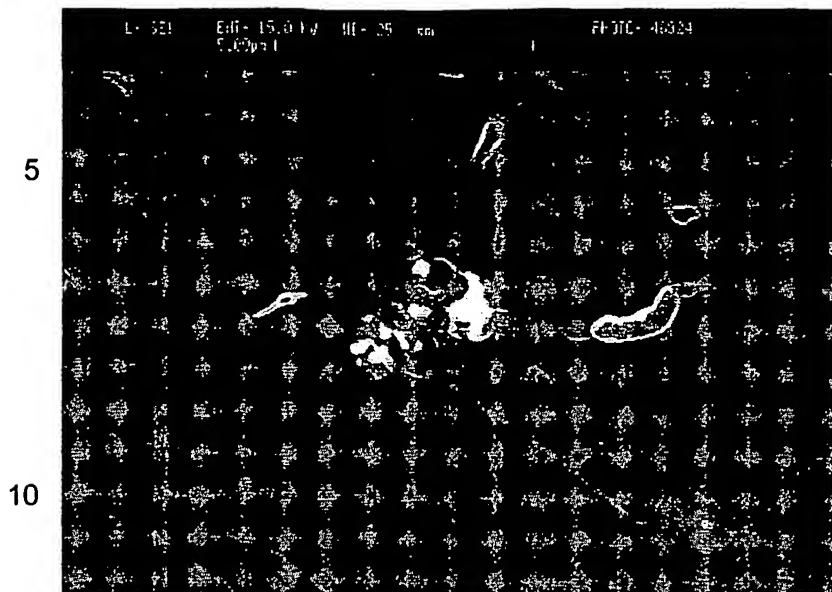


Figure 5: Secondary emission scanning electron micrograph of poorly dispersed alumina particles. In centre is an agglomerate $3\mu\text{m}$ in size composed of agglomerated $0.72\mu\text{m}$ particles.



Figure 6: Secondary emission scanning electron micrograph of poorly dispersed alumina particles. In centre is an agglomerate $20\mu\text{m}$ in size composed of agglomerated $0.72\mu\text{m}$ particles.

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